

ABSTRACT

Multiple shoot structures are induced from plant tissues (e.g., shoot apices or axillary buds on an artificial medium) to produce multiple shoot cultures.

These multi-shoot cultures are then transformed by known transformation methods. Plants are subsequently regenerated from the transformed cells.

Crops that may be efficiently transformed by this method include plants normally recalcitrant to transformation such as sugar beet, sunflower, soybean, cotton, tobacco, tomato, peanuts, melons, watermelon, squash, *Brassica*, and pepper.